

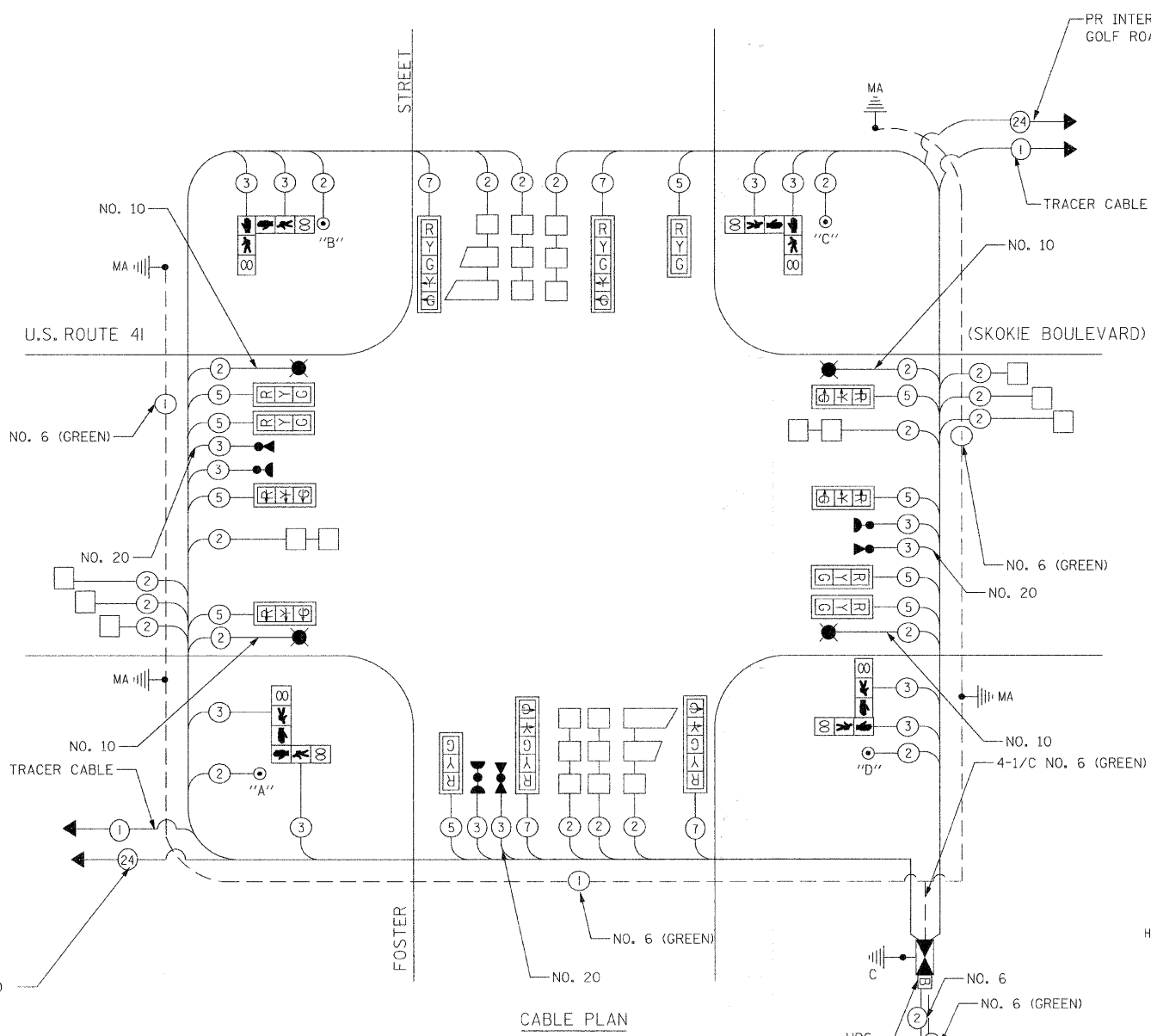
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	00-00242-00-CH	COOK	129	67
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

NOTES:
 PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 8 AND 2

SCHEDULE OF QUANTITIES

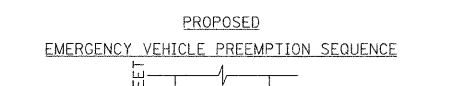
QUANTITY	UNIT	ITEM
42	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
564	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
43	FOOT	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL
4	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
416	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
4	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
96	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
637	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,964	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2,080	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
815	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
3,543	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
73	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
4	FOOT	CONCRETE FOUNDATION, TYPE C
60	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
10	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
14	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
14	EACH	INDUCTIVE LOOP DETECTOR
997	FOOT	DETECTOR LOOP, TYPE I
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
12	EACH	REMOVE EXISTING HANDHOLE
1	EACH	SERVICE INSTALLATION - GROUND MOUNTED
465	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
649	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
10	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	UNINTERRUPTIBLE POWER SUPPLY
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 18 FT. AND 38 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 54 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 30 FT. AND 54 FT.
1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 32 FT.
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMINGS

PLOT DATE = 11/19/2008
 FILE NAME = 01111111
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = MUSER8

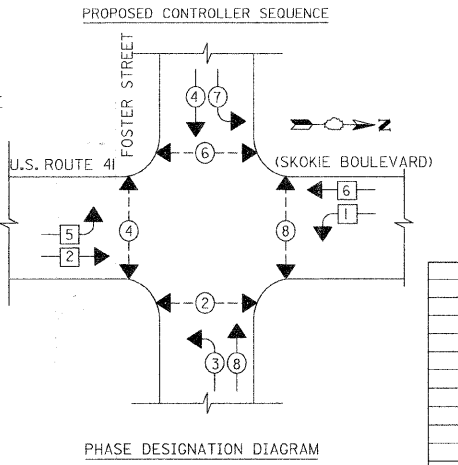
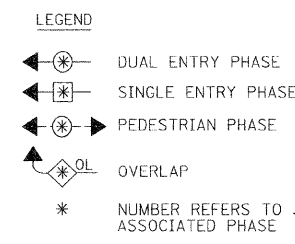


CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊗	⊗	8" (200mm) TRAFFIC SIGNAL SECTION
⊗	⊗	12" (300mm) TRAFFIC SIGNAL SECTION
⊗	⊗	12" (300mm) PEDESTRIAN SIGNAL SECTION
⊗	⊗	12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
⊗	⊗	CONTROLLER CABINET
⊗	⊗	SERVICE INSTALLATION
⊗	⊗	TELEPHONE CONNECTION
⊗	⊗	MAGNETIC DETECTOR
⊗	⊗	VEHICLE DETECTOR, INDUCTION LOOP
⊗	⊗	EMERGENCY VEHICLE LIGHT DETECTOR
⊗	⊗	CONFIRMATION BEACON
⊗	⊗	PUSHBUTTON DETECTOR
⊗	⊗	DENOTES NUMBER OF CONDUCTORS
⊗	⊗	ALL CABLE NO. 14 EXCEPT AS INDICATED
⊗	⊗	ALL LOOP DETECTOR CABLE TO BE SHIELDED
⊗	⊗	GROUND CABLE IN CONDUIT
⊗	⊗	NO. 6 SOLID COPPER (GREEN)
⊗	⊗	FIBER OPTIC CABLE IN CONDUIT
⊗	⊗	NO. 62.5/125 MM12F SM12F
⊗	⊗	SIGNAL FACE WITH BACKPLATE
⊗	⊗	"P" INDICATES PROGRAMMED HEAD
⊗	⊗	RAILROAD CONTROL CABINET
⊗	⊗	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
⊗	⊗	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
⊗	⊗	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
⊗	⊗	GROUND ROD AT POST OR MAST ARM POLE
⊗	⊗	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
⊗	⊗	UNINTERRUPTIBLE POWER SUPPLY
⊗	⊗	STREET LIGHT LUMINAIRE



THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO CONTROLLER CABINET



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS SIGNAL SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	→	↑

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CABLE PLAN PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES
 U.S.ROUTE 41 (SKOKIE BOULEVARD)
 FOSTER STREET
 SCALE NOT TO SCALE
 DATE 11-14-08
 DRAWN BY SAC
 DESIGNED BY SRS
 CHECKED BY KMM

1051 PERIMETER DRIVE SUITE 1025
 SHAMBOURG, ILLINOIS 60173
 (847) 605-9800
TranSystems

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	INCAND.	LED	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	---	17	0.50	119
(YELLOW)	14	---	25	0.25	88
(GREEN)	14	---	15	0.25	53
ARROW	8	---	12	0.10	10
PED SIGNAL CONTROLLER	8	---	25	1.0	200
ILLUM. STGN	1	---	100	1.0	100
TOTAL:					570

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2'
E - M. ARM POLE	10 (3.0)	SIGNAL POST	2 (1.0)	(6m+L-0.6m)	---
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
---	---	GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
---	---	---	---	POST MOUNTED	6 (1.8)